



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6141**

SCHEDULED SALE DATE AND TIME: 11:00 a.m. (local time) on August 29, 2018.

LOCATION: ROSCOMMON MGMT UNIT, PO BOX 218, ROSCOMMON, MI 48653.

CONTACT NAME: Steve Anderson

PHONE NUMBER: (989) 275-4622

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, ROSCOMMON MANAGEMENT UNIT, for certain timber on the following described lands:

Crooked Road Oak (71-007-18) / T22N, R02W, SEC. 17, S1/2NW,SWNE,NESW,S1/2SE,NWSE.

T22N, R02W, SEC. 8 , NWNW,SENW.

Roscommon County, Advertised Price \$45,737.75, 92.0 Acres, Aspen, Hardwood.

SALE NOTE: This sale will require approximately 500' of new truck route to be built to access Payment Unit 4. In addition, approximately 200' of skidder route is required to be built between Payment Units 3 and 4 across a swamp, which will require crane mats in spots. All product must then be forwarded from Payment Unit 3 into the landing in Payment Unit 4. The advertised price has been reduced accordingly to account for this work.

## TIMBER SALE INFORMATION

### Crooked Road Oak (71-007-18)

T22N, R02W, SEC. 17; T22N, R02W, SEC. 8.  
Roscommon County (Advertised Price \$45,737.75)

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A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Bl/R/Hybrid Oak	152.50 MBF	\$ 109.00 / MBF
Mixed Aspen	71.50 MBF	\$ 59.00 / MBF
Red Maple	14.40 MBF	\$ 65.00 / MBF
Red Pine	12.50 MBF	\$ 113.00 / MBF
Pulpwood		
Balsam Fir	20.00 Cords	\$ 17.00 / Cord
Jack Pine	99.00 Cords	\$ 17.90 / Cord
Mixed Aspen	299.00 Cords	\$ 29.65 / Cord
Mixed Hardwood	140.00 Cords	\$ 23.40 / Cord
Mixed Oak	411.00 Cords	\$ 17.45 / Cord
Paper Birch	7.00 Cords	\$ 10.05 / Cord
Red Pine	15.00 Cords	\$ 44.30 / Cord
White Pine	16.00 Cords	\$ 24.25 / Cord

### **BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$2,286.89 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule:
  - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - (b) The 10% down payment will be credited towards the first unit cut.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2020.

**Description of Timber by Payment Unit (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	BI/R/Hybrid Oak	Sawtimber	9.8	MBF	5.8	\$5,822.65
	Mixed Aspen		11.3	MBF		
	<i>B. T. Aspen</i>		11.3	<i>MBF</i>		
	Red Maple		2.6	MBF		
	Red Pine		12.5	MBF		
	Jack Pine	Pulpwood	4.0	Cords		
	<i>Jack Pine</i>	<i>Sawtimber</i>	2.1	<i>MBF</i>		
	Jack Pine	Pulpwood	6.0	Cords		
	Mixed Aspen		20.0	Cords		
	<i>B. T. Aspen</i>		20.0	<i>Cords</i>		
	Mixed Hardwood		9.0	Cords		
	<i>Red Maple</i>		9.0	<i>Cords</i>		
	Mixed Oak		27.0	Cords		
	<i>White Oak</i>	<i>Sawtimber</i>	0.4	<i>MBF</i>		
	<i>BI/R/Hybrid Oak</i>	<i>Pulpwood</i>	23.0	<i>Cords</i>		
	<i>White Oak</i>		3.0	<i>Cords</i>		
	Red Pine		15.0	Cords		
	White Pine		16.0	Cords		
	<i>White Pine</i>	<i>Sawtimber</i>	2.8	<i>MBF</i>		
	<i>White Pine</i>	<i>Pulpwood</i>	10.0	<i>Cords</i>		
2	BI/R/Hybrid Oak	Sawtimber	16.0	MBF	13.0	\$6,218.85
	Mixed Aspen		7.5	MBF		
	<i>B. T. Aspen</i>		7.5	<i>MBF</i>		
	Red Maple		2.4	MBF		
	Mixed Aspen	Pulpwood	71.0	Cords		
	<i>B. T. Aspen</i>		71.0	<i>Cords</i>		
	Mixed Hardwood		22.0	Cords		
	<i>Black Cherry</i>		1.0	<i>Cords</i>		
	<i>Red Maple</i>		21.0	<i>Cords</i>		
	Mixed Oak		72.0	Cords		
	<i>White Oak</i>	<i>Sawtimber</i>	1.3	<i>MBF</i>		
	<i>BI/R/Hybrid Oak</i>	<i>Pulpwood</i>	62.0	<i>Cords</i>		
	<i>White Oak</i>		7.0	<i>Cords</i>		
3	BI/R/Hybrid Oak	Sawtimber	52.1	MBF	21.0	\$12,428.20
	Mixed Aspen		25.3	MBF		
	<i>B. T. Aspen</i>		25.3	<i>MBF</i>		
	Red Maple		0.5	MBF		
	Balsam Fir	Pulpwood	10.0	Cords		
	<i>Balsam Fir</i>	<i>Sawtimber</i>	0.8	<i>MBF</i>		
	<i>Balsam Fir</i>	<i>Pulpwood</i>	8.0	<i>Cords</i>		
	Mixed Aspen		67.0	Cords		
	<i>B. T. Aspen</i>		67.0	<i>Cords</i>		
	Mixed Hardwood		32.0	Cords		
	<i>Red Maple</i>		32.0	<i>Cords</i>		
	Mixed Oak		130.0	Cords		
	<i>BI/R/Hybrid Oak</i>		130.0	<i>Cords</i>		
	Paper Birch		5.0	Cords		
	<i>Paper Birch</i>	<i>Sawtimber</i>	1.2	<i>MBF</i>		
<i>Paper Birch</i>	<i>Pulpwood</i>	3.0	<i>Cords</i>			
4	BI/R/Hybrid Oak	Sawtimber	21.5	MBF	14.2	\$8,596.60
	Mixed Aspen		11.9	MBF		
	<i>Quaking Aspen</i>		11.9	<i>MBF</i>		
	Red Maple		6.0	MBF		
	Balsam Fir	Pulpwood	5.0	Cords		
	<i>Balsam Fir</i>		5.0	<i>Cords</i>		

**Description of Timber by Payment Unit (PU), con't**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
4 con't	Mixed Aspen	Pulpwood	101.0	Cords			
	<i>Quaking Aspen</i>		101.0	<i>Cords</i>			
	Mixed Hardwood		36.0	Cords			
	<i>Red Maple</i>		36.0	<i>Cords</i>			
	Mixed Oak		71.0	Cords			
	<i>Bl/R/Hybrid Oak</i>		71.0	<i>Cords</i>			
5	Bl/R/Hybrid Oak	Sawtimber	15.4	MBF	17.9	\$4,363.80	
	Mixed Aspen	Pulpwood	5.8	MBF			
	<i>Quaking Aspen</i>		5.8	<i>MBF</i>			
	Balsam Fir		2.0	Cords			
	<i>Balsam Fir</i>		2.0	<i>Cords</i>			
	Jack Pine		12.0	Cords			
	<i>Jack Pine</i>		5.9	<i>MBF</i>			
	Jack Pine		Pulpwood	45.0			Cords
	Mixed Aspen		15.0	Cords			
	<i>Quaking Aspen</i>		15.0	<i>Cords</i>			
	Mixed Hardwood		4.0	Cords			
	<i>Black Cherry</i>		1.0	<i>Cords</i>			
	<i>Red Maple</i>		3.0	<i>Cords</i>			
	Mixed Oak		43.0	Cords			
<i>Bl/R/Hybrid Oak</i>	43.0		<i>Cords</i>				
6	Bl/R/Hybrid Oak	Sawtimber	37.7	MBF	20.1	\$8,307.65	
	Mixed Aspen	Pulpwood	9.7	MBF			
	<i>B. T. Aspen</i>		5.6	<i>MBF</i>			
	<i>Quaking Aspen</i>		4.1	<i>MBF</i>			
	Red Maple		2.9	MBF			
	Balsam Fir		3.0	Cords			
	<i>Balsam Fir</i>		3.0	<i>Cords</i>			
	Jack Pine		14.0	Cords			
	<i>Jack Pine</i>		7.2	<i>MBF</i>			
	Jack Pine		Pulpwood	18.0			Cords
	Mixed Aspen		25.0	Cords			
	<i>B. T. Aspen</i>		12.0	<i>Cords</i>			
	<i>Quaking Aspen</i>		13.0	<i>Cords</i>			
	Mixed Hardwood		37.0	Cords			
	<i>Black Cherry</i>		1.0	<i>Cords</i>			
	<i>Red Maple</i>		36.0	<i>Cords</i>			
	Mixed Oak		68.0	Cords			
	<i>Bl/R/Hybrid Oak</i>		66.0	<i>Cords</i>			
	<i>White Oak</i>		2.0	<i>Cords</i>			
	Paper Birch		2.0	Cords			
<i>Paper Birch</i>	2.0		<i>Cords</i>				
TOTAL:			250.9	MBF			
TOTAL:			1,007.0	Cords			

## Sale Specific Conditions & Requirements

Sale Name: Crooked Road Oak

Sale Number: 71-007-18 Seq#: 1

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted boundaries (1/14)

The sale boundary and Payment Unit boundaries are marked and identified by red paint. The painted boundary line trees are not Included Timber and are to be protected.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 3 and 4, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any white oak, red pine, or white pine.

##### 2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 1, 2, 5 & 6, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except do not cut any red pine, white pine, or trees marked with green paint above and below stump height.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH.

##### 2.2.6 - Roundwood operation required (5/07)

The skidding of whole trees or tree segments with limbs attached is prohibited. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

##### 2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1 - 6, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

### 3 - Payments

#### 3.3 - Pre-measured Sales

##### 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Supplement.

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (6/14)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the sale area, if more than 25% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to merchantable trees. Within the sale area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

### 3.6 - Payment Unit Cutting Schedule

#### 3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened.

## 4 - Transportation

### 4.1 - Construction

#### 4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

#### 4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

#### 4.1.8 - Road work (1) (8/07)

The following road work is required: a new access road into Payment Unit 4 will need to be dozed out and stumped. Skidder access into Payment Unit 3 from Payment Unit 4 will also need to be constructed, which will involve placing crane mats in one spot. All wood from Payment Unit 3 will need to be forwarded into the landing in Payment Unit 4. See the Timber Sale Map for locations.

### 4.2 - Maintenance

#### 4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or during wet weather conditions.

#### 4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

## 5 - Operations

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

#### 5.2.3 - Operating Restrictions

##### 5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 1 - 6, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

## 5.2.4 - Dead and Down Creation

### 5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave two trees, nine (9) inches or larger in diameter on the ground for every two acres within Payment Units 3 and 4. They should be positioned within 100' of the edges of these two units. If possible, the logs or trees should be felled so they overlap. Note these pieces should have a minimum length of twenty feet. They can be of any tree species and can be an un-merchantable piece of wood, tree-tops, or a full tree.

### 5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

### 5.2.4.4 - Dead and down creation, grouse (4/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1 - 6, leave one, 8" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These trees will be evenly scattered throughout the unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles.

## 5.2.17 - Timber Mats and Interlocking Composite Mats (3/18)

Some roads or skid trails may require extra protection such as that afforded by timber mats. Approximately 60 feet of road or trail will need extra protection at locations shown on the Timber Sale Map. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. The Purchaser is responsible for picking up and hauling the mats to and from the site. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$400.00 per timber mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants.

## 5.2.29 - Shrub protection (9/07)

Do not cut or damage hawthorn, witch-hazel, dogwood or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

## 5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

## 5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

## 5.4 - Soil Protection

### 5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which is 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

### 5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.



# TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Roscommon		County Roscommon	Mapped By Ekdom	Date 05/15/2018	Page 1	of 2
Township 22N	Range 02W	Section(s) and Subdivision(s) 8 - NWNW;SEW 17 - SWNE;S1/2NW;NWSE;S1/2SE;NESW		Scale 1:15,840		

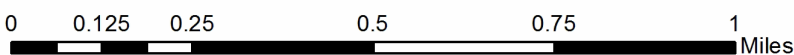
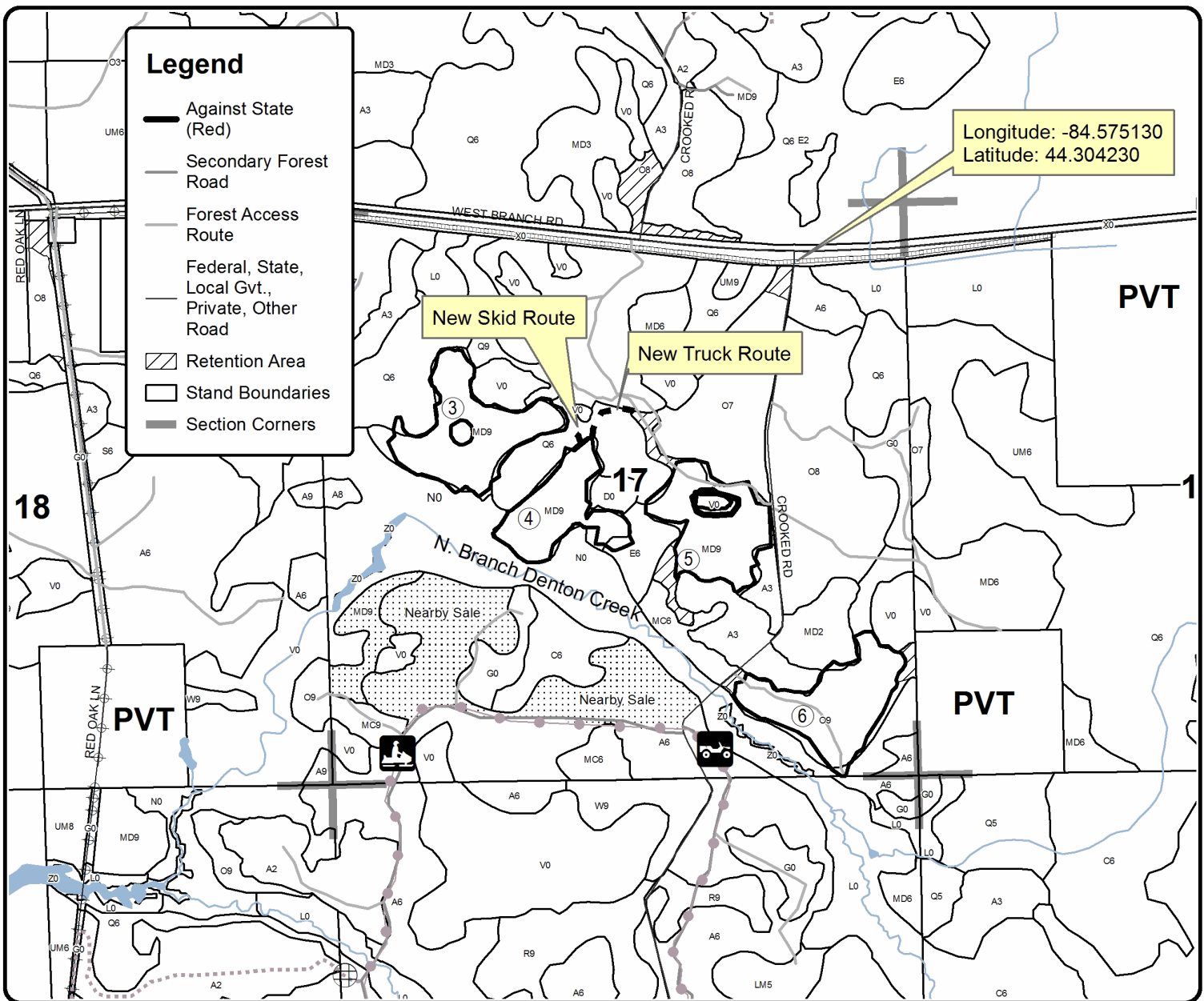
Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Tread Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	5.8	4	14.2
2	13.0	5	17.9
3	21.0	6	20.1

## Crooked Road Oak Compartment 44 92 Acres



Longitude: -84.575130  
Latitude: 44.304230





# TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit Your Management Unit		County	Mapped By Ekdorn		Date	Page of	
		County Name	Cruised By Metcalfe Forestry		05/16/2018	2	2
Township	Range	Section(s) and Subdivision(s)			Scale		
22#N	02W	8 - NWNW;SENW			1:15,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
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G = Grass	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	5.8	4	14.2
2	13.0	5	17.9
3	21.0	6	20.1

## Crooked Road Oak

### Compartment 44

92 Acres

